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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,681	10/07/2003	Ravi Kuchibhotla	CS23736RL	5437

20280 7590 03/28/2005

MOTOROLA INC
600 NORTH US HIGHWAY 45
ROOM AS437
LIBERTYVILLE, IL 60048-5343

EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT	PAPER NUMBER
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2686

DATE MAILED: 03/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/680,681

Applicant(s)

KUCHIBHOTLA ET AL.

Examiner

Naghmeh Mehrpour

Art Unit

2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claim 1-30**, are rejected under 35 U.S.C. 102(e) as being anticipated by
Keutmann et al. (US Patent Number 2004/0072578 A1).

Regarding claims 1, 21-22, 29-30, Keutmann teaches a method of operating a user device in a shared network, comprising:

receiving a registration accept message associated with a core network through the shared network, the registration accept message including a rule set, the rule set associated with a core network serving the user device through the shared network, storing the rule set in the user device, receiving a broadcast message from the radio access network, the broadcast message including shared network access information; converting the shared network access information using the stored rule set to determine core network access information (page 5 section 0070-0071);

determining a desired behavior for the user device based on the core network access information (page 4 section 0059).

Regarding claims 2, Keutmann teaches a method wherein the signaling message is a registration accept message (page 4 section 0057).

Regarding claims 3, Keutmann teaches a method wherein the signaling message is a location update accept message (page 4 section 0057).

Regarding claims 4, Keutmann teaches a method wherein the signaling message is a location update reject message (page 3 section 0048).

Regarding claims 5, Keutmann teaches a method wherein the signaling message is a registration reject message (page 3 section 0048).

Regarding claims 6, Keutmann teaches a method wherein the access information is a location identity (page 2 section 0023).

Regarding claims 7, Keutmann teaches a method wherein the location identity is a location area, and wherein the user device uses the rule to translate the location area received into a mapped location area for the associated core network (page 2 section 0015).

Regarding claims 8, Keutmann teaches a method where the location identity is the network identity (page 2 section 0025).

Regarding claims 9, Keutmann teaches a method where the location identity is an SSD (page 2 section 0023).

Regarding claims 10, Keutmann teaches a method wherein the location identity is a routing area identity, and wherein the user device uses the rule to translate the routing area received into mapped routing area for the associated core network (page 3 section 0053).

Regarding claims 11, Keutmann teaches a method wherein the behavior is transmitting the mapped location area in a routing area update request (page 3 section 0053).

Regarding claims 12, Keutmann teaches a method wherein the behavior is transmitting the mapped routing area in a routing area update request (page 3 section 0053).

Regarding claims 13, Keutmann teaches a method of claim 1, wherein the behavior is transmitting a location area update request for a circuit switched network (page 4 section 0056).

Regarding claims 14, Keutmann teaches a method wherein the behavior is transmitting a routing area update request for a packet switched network (page 3 section 0053).

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Regarding claims 15, a method wherein the behavior is refraining from transmitting a location identity update request (page 4 section 0059).

Regarding claims 17, Keutmann teaches a method wherein the desired behavior is transmitting a location update request (page 4 section 0059).

Regarding claims 18, Keutmann teaches a method wherein the desired behavior is transmitting a location update request to a mobile station controller (page 4 section 0059).

Regarding claims 19, Keutmann teaches a method wherein the desired behavior is refraining from transmitting a location update request (page 2 sections 0022, 0023).

Regarding claims 20, Keutmann teaches a method further comprising receiving a location area identity which is different from a stored location area identity which is stored in the user device, and refraining from transmitting a location update request (page 2 section 0015).

Regarding claims 23, Keutmann teaches a method wherein the step of communicating the message, further comprises the step of sending a request to the radio network controller to transmit the message to the mapped location identities (page 4 section 0059).

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Regarding claims 24, Keutmann teaches a method further including the step in a shared access network of determining whether a location update accept communication needs to be sent to the user device (page 2 sections 002, 0023).

Regarding claims 25, Keutmann teaches a method wherein the shared access network is a public land mobile network (page 4 section 005).

Regarding claims 26, Keutmann teaches a method of claim 22, wherein the shared access network is local area network (page 3 section 0053).

Regarding claims 27, Keutmann teaches a method wherein the network element is in a core network, and further including the step transmitting a request to the local area network to broadcast a paging message on the mapped access network identity areas (page 4 section 0060).

Regarding claims 28, Keutmann teaches a method wherein the network element is in the access network, and wherein the step of communicating includes the step in the access network of sending a page from the shared network according to the mapped access network location identities in response to a request from the core network including the core network location identities (page 4 section 0060).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Maanoja et al. (US Publication 2005/0020276 B1) disclose location request control

Lala et al. (US Publication 2005/0003829 A1) disclose velocity handling in location services (LCS)

4. Any responses to this action should be mailed to:

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 703-308-7159. The examiner can normally be reached on 8:00- 6:00.

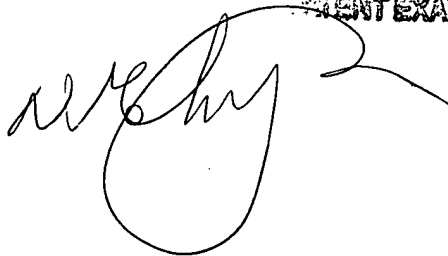
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (703) 305-4379.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

March 6, 2005


PATENT EXAMINER